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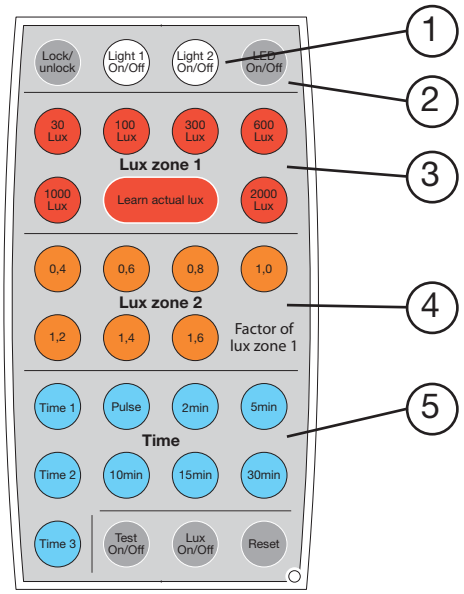
Fig. 1



1: White buttons – Used by the user on a daily basis

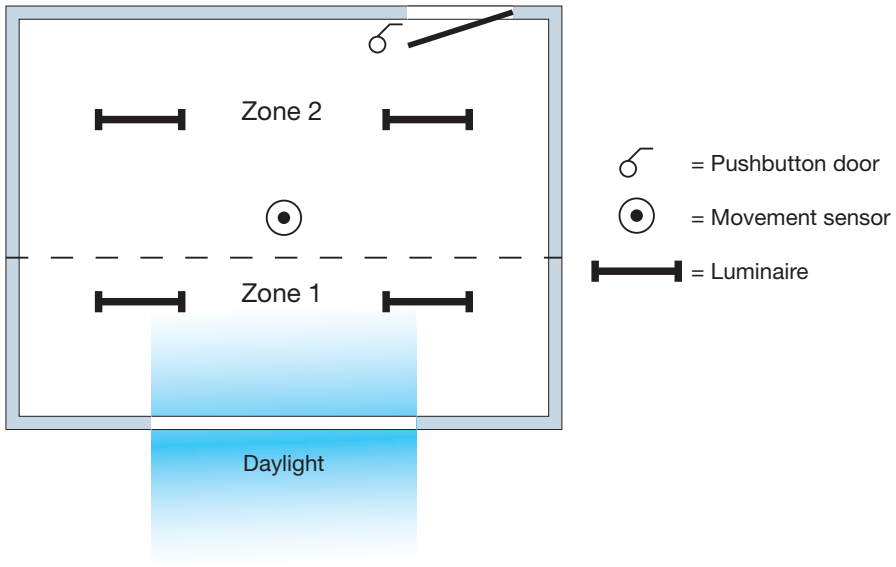
2: Grey buttons – Used only upon first startup.

3: Red buttons – Used only upon startup, for setting Lux in zone 1

4: Orange button – Used only upon startup, for setting Lux in zone 2 (factor of Lux zone 1), only 41-445

5: Blue button – Used only upon startup, for setting off delay of movement sensor

Fig. 2
Only for 41-445



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User guide

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IR Remote Control 41-920

Operation

The IR Remote Control 41-920 is used for setting various parameters for PIR Sensor models 41-400 and 41-445.
! Note: The range of 41-920 to the sensors is approx. 3 m.

Function

Function with 41-400

Lock/Unlock:
Press to "unlock the movement sensor (unlock)" so that the settings can be modified – the green LED on the movement sensor comes on.
Press again to "lock the movement sensor (lock)" after the settings have been made – green LED goes out.
For all settings (except Light 1 On/Off) the movement sensor must be unlocked, the setting selected and the movement sensor locked again before the setting is activated. If the movement sensor is not locked, it will lock automatically after 5 minutes and any modified settings will be saved.

Light 1 On/Off:
Has the same function as a long manual press.
Used without pressing Lock/Unlock first.
See installation and user manual for PIR Sensor model 41-400.

Light 2 On/Off:
Not used in connection with PIR model 41-400.

LED On/Off:
Switches the red LED on/off to indicate movement.
If the LED is off and the button is pressed, the green LED will flash and the red LED will come on for 2 seconds.
If the LED is on and the button is pressed, the green LED will flash for 2 seconds.

Lux Zone 1:
Setting the lux level. There are six preset settings: 30/100/300/600/1000 and 2000 as well as user-defined lux value (Learn actual lux).
The user-defined lux value works in the 5–2000 lux range.
When the Learn actual lux button is pressed, the green LED flashes for 10 seconds as an indication that the lux level is being loaded. Then the green LED comes on and the connected lighting is turned on for 5 seconds.
If the lux level is outside the 5-2000 lux range, this is indicated by the green LED flashing quickly. It will continue to do this until one of the preset settings is selected.

This setting “Learn actual lux” should be used when the desired minimum lighting in the room has been reached (the time when the light will be switched on due to insufficient daylight in the room).

Lux Zone 2:
Not used in connection with PIR model 41-400.

Time:
Setting the cut-out time. There are six preset settings: 2/5/10/15 and 30 minutes as well as Pulse (5 seconds On / 60 seconds Off).
Time 1/Time 2/Time 3 are not used for this product.

Test On/Off:
Activating walk test.
If the test is off and the button is pressed, the green LED will flash and the red LED will come on for 2 seconds.
If the test is On and the button is pressed, the green LED will flash for 2 seconds.

Lux On/Off:
Setting daylight-dependency.
Only works for App. 1 + 2.
If the movement sensor is daylight-dependent and the button is pressed, the green LED will flash for 2 seconds.
If the movement sensor is daylight-independent and the button is pressed, the green LED will flash and the red LED will come on for 2 seconds.

Reset:
Pressing this button restores all settings to factory settings.

For further information see the installation and user manual for PIR Sensor model 41-400.

Function

Function with 41-445

Lock/Unlock:
Press to "unlock the movement sensor (unlock)" so that the settings can be modified – the green LED on the movement sensor comes on.
Press again to "lock the movement sensor (lock)" after the settings have been made – green LED goes out.
For all settings (except Light 1 On/Off) the movement sensor must be unlocked, the setting selected and the movement sensor locked again before the setting is activated. If the movement sensor is not locked, it will lock automatically after 5 minutes and any modified settings will be saved.

Light 1 On/Off:
Has the same function as a long manual press and switches on the light in Zone 1. Can be used without first pressing Lock/Unlock.
See installation and user manual for PIR Sensor model 41-445

Light 2 On/Off:
Has the same function as a long manual press and switches on the light in Zone 2. Can be used without first pressing Lock/Unlock.
See installation and user manual for PIR Sensor model 41-445

When Lights 1 and 2 On/Off are activated, the low-voltage relay is also activated (ø8+ø9 on 41-981). The low-voltage relay will be activated (On) as long as activity is registered and the cut-off time + 2 hours have not elapsed.

LED On/Off:
Switches the red LED on/off to indicate movement.
If the LED is off and the button is pressed, the green LED will flash and the red LED will come on for 2 seconds.
If the LED is on and the button is pressed, the green LED will flash for 2 seconds.

Lux Zone 1:
Setting the lux level. There are six preset settings: 30/100/300/600/1,000 and 2,000 as well as user-defined lux value (Learn actual lux).
The user-defined lux value works in the 30–2000 lux range.
When the Learn actual lux button is pressed, the green LED flashes for 10 seconds as an indication that the lux level is being loaded. Then the green LED comes on and the connected lighting is turned on for 5 seconds.
If the lux level is outside the 30-2000 lux range, this is indicated by the green LED flashing quickly. It will continue to do this until one of the preset settings is selected.
This setting “Learn actual lux” should be used when the desired minimum lighting in the room has been reached (the time when the light will be switched on due to insufficient daylight in the room).
The lights will go out when the room has been over-illuminated for 5 minutes (Cut-off).

Lux Zone 2:
Settings for Lux zone 2 are made as a factor of zone 1. If, for example, 300 Lux has been selected for zone 1 and factor 0.6 is chosen, zone 2 will be switched on when the light level falls below 180 Lux.
The lights will go out when the room has been over-illuminated for 5 minutes (Cut-off).

Time:
Setting the cut-off time for PIR (off delay), the two zones (Time 1 = Zone 1 and Time 2 = Zone 2) and the low-voltage relay (Time 3).

There are six preset settings:
2, 5, 10, 15 and 30 minutes as well as Pulse.
Pulse in conjunction with Time 3 = 5 seconds On / 60 seconds Off.
In conjunction with Time 1 and 2 = 1 minute cut-off time.

To set the time, first press Time 1, 2 or 3 (depending on the zone to be set) followed by the desired time.

Test On/Off:
Activating walk test.
If the test is off and the button is pressed, the green LED will flash and the red LED will come on for 2 seconds.
If the test is On and the button is pressed, the green LED will flash for 2 seconds.

Lux On/Off:
Setting daylight-dependency.
Only works for App. 1 + 2.
If the movement sensor is daylight-dependent and the button is pressed, the green LED will flash for 2 seconds.
If the movement sensor is daylight-independent and the button is pressed, the green LED will flash and the red LED will come on for 2 seconds.

Reset:
Under "unlock":
Pressing this button restores all settings to factory settings.

Under "lock":
All outputs are turned off. The sensor will now switch on the light according to the selected App.

For further information see the installation and user manual for PIR Sensor model 41-445.

Glossary

App.:
Application, describes the function of the sensor.

Zones 1 and 2:
How the room is divided, see **Fig. 2.**

Lux Zone 1 and 2:
Lux level where light is desired in zones 1/2.

Off delay:
Cut-off time before movement sensor switches off the light.

Cut off:
Cuts off 230 V to zones 1/2 due to lux level.

Explanation **Fig. 1**:
1: White buttons – used by the user on a daily basis.
2: Grey buttons – only used upon first startup
3: Red buttons – only used upon startup, for setting Lux in zone 1.
4: Orange buttons – only used upon startup, for setting Lux in zone 2 (factor of Lux zone 1), only 41-445.
5: Blue buttons – only used upon startup, for setting cut-off time for movement sensor.

Factory settings, **41-400**:
Sensitivity: High sensitivity
Application: App. 1
Lux: 100 lux
Time (off delay): 10 mins
LED movement indication: Off can only be changed via the remote control.

Factory settings, **41-445**:
Sensitivity: High sensitivity
Application: App. 1
Lux Zone 1: 100 lux
Lux Zone 2: Factor 0.8 (80 lux)
Time 1 – Off delay zone 1: 10 mins
Time 2 and 3 – Off delay zone 2 and relay(ø8-9): 10 mins
Cut-off: 5 minutes (cannot be changed)
LED movement indication: Off can only be changed via the remote control.

DIP switch setting, **41-440 and 41-445**:
0 = Off and 1 = On
Sensitivity on DIP 1 and 2:

DIP setting:	Sensitivity:
0 0	Minimum sensitivity
0 1	Low sensitivity
1 0	High sensitivity (Default)
1 1	Maximum sensitivity

Application on DIP 3 and 4:

DIP setting:	App.:
0 0	App. Auto (Default)
0 1	App. Manual
1 0	App. Auto without light sensor
1 1	App. Manual without light sensor

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Daily user manual

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IR Remote Control 41-920
Together with PIR Sensor 41-400

Function

On a day-to-day basis only one white button and possibly the Reset button should be used, and if necessary a normal switch on the wall.

The unit to be controlled can "run" with two settings.
One is known as automatic on, where the light comes on automatically when someone walks into the room, and the other is known as manual on, where the light must be switched on manually using the wall switch.

! Note: The range of 41-920 to the sensor is approx. 3 m.

Settings

The wall switch has "two functions".
One short press and one long press

Short press
A short press is a press lasting less than one second.

If the light is switched on, the light will be switched off and the movement sensor will be disabled for 10 seconds. The movement sensor then switches to automatic mode, and the light will turn on according to the selected application.

If the light is off, the light will switch on and the movement sensor will keep it on as long as movement is registered and the cut-out time has not elapsed.
Always according to the selected application.

Long press
A long press is a press lasting more than one second, and is daylight-independent.

If the light is on, the light will switch off and the movement sensor will be disabled as long as movement is registered and the cut-out time + 2 hours have not elapsed. The movement sensor then switches to automatic mode, and the light will turn on according to the selected application.
For example: The time has been set to 15 minutes, so the movement sensor will switch to automatic mode 2 hours and 15 minutes after it last detected activity.

If the light is off, the light will switch on (regardless of light levels) and the movement sensor will keep it on as long as movement is registered and the cut-out time + 2 hours have not elapsed. The light then turns off, the movement sensor switches to automatic mode, and the light turns on according to the selected application.

If a long press is activated, this is indicated on the movement sensor by the red LED flashing (1 second On and 3 seconds Off).

Function of the white button on the IR Remote is as follows:

Light 1 On/Off:
Has the same function as a long manual press and switches on the light.
The light can be switched off by means of a short press of the wall switch or by pressing the Reset button on the IR Remote.

Glossary

Movement sensor:
Sensor that is installed in the ceiling, where it registers activity in the room and thus keeps the light switched on.

Cut-off time:
The cut-off time is the time that passes between the movement sensor having registered its last movement until the light is switched off.

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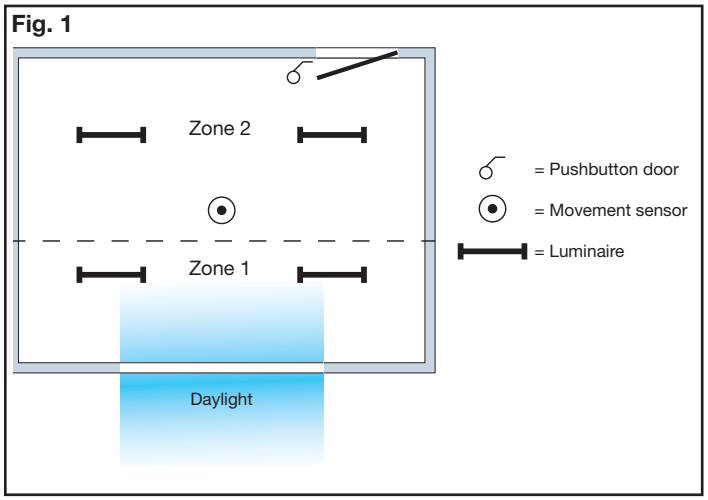
IR Remote Control 41-920
Together with PIR Sensor 41-445

Fig. 1



Function

On a day-to-day basis only the two white buttons and possibly the Reset button should be used, and if necessary a normal switch on the wall.

The unit to be controlled can "run" with two settings.
One is known as automatic on, where the light comes on automatically when someone walks into the room, and the other is known as manual on, where the light must be switched on manually using the wall switch.

! Note: The range of 41-920 to the sensor is approx. 3 m.

Settings

The wall switch has "two functions".
One short press and one long press

Short press
A short press is a press lasting less than one second.

If the light is on in one of the zones it will turn off, and the movement sensor will be blocked for 10 seconds. The movement sensor then switches to automatic and the light will only come on according to the setting selected (automatic or manual on).

If the light is off in one of the zones it will turn on, and the movement sensor keeps it turned on as long as activity is registered and the cut-off time has not elapsed.
Always according to the selected setting.

Long press
A long press is a press lasting more than one second, and is daylight-independent.

If the light is on in one of the zones it will switch off, and the movement sensor will be blocked as long as activity is registered and the cut-off time + 2 hours have not elapsed. The movement sensor then switches to automatic and the light will only come on according to the setting selected (automatic or manual on).

For example: The time has been set to 15 minutes, so the movement sensor will switch to automatic mode 2 hours and 15 minutes after it last detected activity.

If the light is off in one of the zones, it will turn on (regardless of the light level), and the movement sensor keeps it turned on as long as activity is registered and the cut-off time + 2 hours has not run out. The light is then switched off, the movement sensor switches to automatic and the light will only come on according to the setting selected (automatic or manual on).

If a long press is activated, this is indicated on the movement sensor by the red LED flashing (1 second On and 3 seconds Off).

Function of the two white buttons on the IR Remote is as follows:

Light 1 On/Off
Has the same function as the long press, but only switches on the light in Zone 1.

Light 2 On/Off
Has the same function as the long press, but only switches on the light in Zone 2.

Glossary

Movement sensor:
Sensor that is installed in the ceiling, where it registers activity in the room and thus keeps the light switched on.

Cut-off time:
The cut-off time is the time from when the movement sensor registers the last movement until the light switches off.

Zones. **Fig. 1**:
The room is divided into two zones.
There will typically be one zone by the windows and one zone away from the windows.
When the light is daylight-regulated, the zone by the windows will typically be dimmer (possibly switched off) than the other zone.